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(54) TRANSPARENT SOLID COSMETIC

(57) Abstract

PROBLEM TO BE SOLVED: To obtain the subject cosmetic having high transparency and improved strength by making the cosmetic include hydroxystearic acid a triorganosilyl group-containing nonionic polysaccharide and an oily substance.

SOLUTION: This cosmetic comprises (A) 12-hydroxystearic acid, (B) a triorganosilyl group-containing nonionic polysaccharide (e.g. trimethylsilylated pullulan or trimethylsilylated starch) or its derivative and (C) an oily substance (e.g. avocado oil or vaseline). Preferably the cosmetic comprises 0.5~10 wt.% of the component A, 0.1~3.0 wt.% of the component B and 0.1~3.0 wt.% of the component C. Preferably the cosmetic contains (D) 0.1~3.0 wt.% of silicic anhydride containing a triorganosilyl group (e.g. trimethyl silylated silicic anhydride) besides the above-mentioned components. The cosmetic is usable as a lip cream, an antiperspirant stick, an eye color, a lipstick, etc.

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CLAIMS

[Claim(s)]

[Claim 1] Transparency solid cosmetics which contain one sort chosen from the nonionic polysaccharide which has 12-hydroxy stearin acid and the Tori organosilyl group, and its derivative or two sorts or more and one sort of oily matter, or two sorts or more, and change.

[Claim 2] Transparency solid cosmetics according to claim 1 characterized by containing one sort of the silicic acid anhydride which furthermore has the Tori organosilyl group, or two sorts or more.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the transparency solid cosmetics whose reinforcement were excellent in transparency and improved. It is related with one sort chosen from the nonionic polysaccharide which has 12-hydroxy stearin acid and the Tori organosilyl group, and its derivative in more detail, two sorts or more, one sort of the silicic acid anhydride which has the Tori organosilyl group further, or two sorts or more, and the solid cosmetics that contain oily matter and change and that are excellent in transparency.

[0002]

[Description of the Prior Art] In recent years, especially, in order to obtain the result and skillful coloring which have a feeling of transparency in a lip cream, a lip stick, ikara, etc., the solid cosmetics which are excellent in transparency are called for. The technique using the transparency basis which consists of 12-hydroxy stearin acid and oil is indicated as solid cosmetics which whose stability with time is high and are excellent also in usability (JP.1-163111,A).

[0003] Moreover, in order to raise the organoleptic property of the adhesion to the elongation and the skin on the skin, the technique (JP.4-91010.A, JP.4-91011.A) in which make heavy flow isoparaffin and a liquefied oiliness component contain further, or (JP.2-264707,A) and a hydroxyl value make 120 or less liquefied oily matter, a methylphenyl polysiloxane, or oleate contain, and the technique (JP.2-180805,A) which uses together a methylphenyl polysiloxane and an N-lauroyl-L-glutamic acid dibutyl amide are also proposed.

[0004] However, especially in transparency solid cosmetics which were described above, when providing by stick-like formulation and the quantity of 12-hydroxy stearin acid was increased in order to be hard to say that sufficient reinforcement is obtained and to raise reinforcement, there was a problem that transparency fell.

[Problem(s) to be Solved by the Invention] Then, in this invention, it has the outstanding transparency, and reinforcement is high enough and it aimed at obtaining solid cosmetics also with a still better feeling of use.

[0005]

[Means for Solving the Problem] As a result of examining many things in order to solve the above-mentioned technical problem, when this invention person uses together one sort chosen from 12-hydroxy stearin acid, and the nonionic polysaccharide which has the Tori organosilyl group and its derivative, or two sorts or more and makes oily matter contain further, it finds out that the reinforcement of cosmetics can be raised sharply, holding high transparency, and came to complete this invention.

[0006]

[Embodiment of the Invention] The 12-hydroxy stearin acid used in this invention is what hydrogenated the ricinoleic acid, it is saturated fatty acid which has a disymmetry hydroxyl group to the carbon of the 12th place, and a commercial thing can be used for it. It is made to contain 10 to 50% of the weight preferably in the transparency solid cosmetics concerning this

invention 0.5 to 10% of the weight per cosmetics whole quantity.

[0008] Next, the nonionic polysaccharide which has the Tori organosilyl group used in this invention, and its derivative are a general formula, R1-Si(R2)(R3)- (even if R1, R2, and R3 are the hydrocarbon groups of carbon numbers 1-6 and they are the same, they may differ) They are the nonionic polysaccharide which contains the Tori organosilyl group shown 40% of the weight or more as a substituent in a side chain, and its derivative. In less than 40% of the weight of a thing, a waterproof fall is also accepted bad and the content of the Tori organosilyl group does not have desirable compatibility with other oils.

[0009] As nonionic polysaccharide which introduces the Tori organosilyl group, starch, a pullulan, guar gum, locust bean gum, a cellulose, a mannan, beta-1,3-glucan, etc. can be mentioned, and the partial esterification object permuted by aliphatic series acyl groups, such as a partial esterification object permuted by carboxy alkyl groups, such as alkyl groups, such as methyl, ethyl, and propyl, carboxymethyl, and carboxy ethyl, and acetyl, a propionyl, butyryl, is mentioned as these derivatives.

[0010] As a Tori organosilyl group, what has the alkyl group and/or alkanyl radical of carbon numbers 1-6 as a hydrocarbon group is desirable. The alkanyl radical which has a straight chain or branched chain, such as an alkyl group which has a straight chain or branched chain such as methyl, ethyl, propyl, isopropyl, butyl, TASHARU butyl, pentyl and hexyl, cyclopentyl, and cyclohexyl,], vinyl, allyl compound, isopropenyl, 1-buteneyl, 1-pentenyl, and 1-heoxy, as this hydrocarbon group is mentioned. However, since it becomes difficult for a hydrocarbon group to serve as that of a bulky potato, and to introduce effectively in nonionic polysaccharide or its derivative as the carbon number of these hydrocarbon groups increases, the alkyl group of the above-mentioned instantiation and the thing which has methyl, ethyl, propyl, and TASHARU butyl even especially in inside can use it preferably. As a desirable Tori organosilyl group, a trimethylsilyl radical, a triethyl silyl radical, a TORIPURO pill silyl radical, a TASHARU butyldimethylsilyl radical, cyclohexyl dimethylsilyl radical, etc. can be mentioned.

[0011] The nonionic polysaccharide of the Tori organosilyl group or installation to the derivative can be performed by the approach shown in JP-7-53350.B. In addition, what is offered from Shin-Etsu Chemical Co., Ltd. can be used for the purpose of this invention as said nonionic polysaccharide or its derivative.

[0012] In this invention, one sort or two sorts or more are chosen and used from the nonionic polysaccharide which has the Tori organosilyl group, and its derivative. One sort of said polysaccharide and its derivative or two sorts or more are made to contain 0.5 to 2.0% of the weight preferably 0.1 to 3.0% of the weight in a total amount to the transparency solid cosmetics whole quantity concerning this invention.

[0013] As oily matter made to contain in the transparency solid cosmetics concerning this invention, a liquefied - half solid thing can use it preferably in ordinary temperature. If it is the liquefied - half solid thing currently offered as an oily raw material for cosmetics as this oily matter, it can use without limiting especially. For example Liquefied or half-solid-like vegetable fat and oil, such as an avocado oil, almond oil, olive oil, sesame oil, a sasanqua oil, safflower oil, soybean oil, camellia oil, corn oil, rapeseed oil, a par chic oil, castor oil, cotton seed oil, peanut oil, and palm oil. Liquefied or liquefied or half-solid-like vegetable property lows, such as a mink oil, a yolk oil, and lard,], such as half-solid-like animal fat and oil and jojoba oil] Liquefied or half-solid-like animality lows, such as lanolin, liquefied lanolin, and hydrogenation lanolin, Liquefied or half-solid-like hydrocarbons, such as vaseline, a liquid paraffin, squalane, and pristane. Liquefied or half-solid-like fatty acids, such as oleic acid, undecylenic acid, an iso palmitic acid, and isostearic acid. Liquefied or half-solid-like high-class fatty alcohol and sterols, such as oleyl alcohol, lanolin alcohol, 2-hexyl decanol, isostearyl alcohol, and 2-octyl dodecanol. Myristic acid isopropyl, palmitic-acid isopropyl, lauric-acid hexyl, oleic acid oleyl, oleic acid DESHIRU, myristic-acid octyldodecyl, dimethyl octanoic-acid hexyl DESHIRU, 2-ethylhexanoic acid cetyl, lactic-acid cetyl, lactic-acid Millis' Chill. Liquefied or half-solid-like ester, such as acetic-acid lanolin and GURISERIRUTORI 2-ethylhexoate, etc. are mentioned, and one sort or two sorts or more are chosen and used from these.

[0014] One sort of the silicic acid anhydride which has the Tori organosilyl group further, or two

sorts or more can be made to contain in the transparency solid cosmetics concerning this invention. As a Tori organosilyl group introduced into a silicic acid anhydride, what was introduced into nonionic polysaccharide and its derivative, and the thing which has especially a trimethylsilyl radical although what has the hydrocarbon group of carbon numbers 1-6 similarly is desirable are used preferably. It is suitable to make it contain 0.1 to 3.0% of the weight per transparency solid cosmetics whole quantity concerning this invention.

[0015] Polyhydric alcohol and its derivative, a surfactant, an ultraviolet ray absorbent, an antioxidant, an antifungal agent, a cell activator, a whitening agent, an antiperspirant, a deodorant, a pigment, and coloring matter can blend with the transparency solid cosmetics concerning this invention the raw material generally used for the cosmetics other than each above-mentioned component in the range which does not spoil the description of this invention.

[0016] In addition, the transparency solid cosmetics concerning this invention can be offered as foundation a lip cream, a deodorant stick, a compact type, or stick type, ikara, a teak color, a lip stick, etc.

[0017] Furthermore, an example explains the description of this invention to a detail.

[0018] The formula of an example 1 and an example 2 was first shown in Table 1 as a casting type lip cream concerning this invention with the formula of the example 1 of a comparison, and the example 2 of a comparison. Each component is mixed, and it heats and dissolves in 90 degrees C, and these are slushed into a container, and are cooled and manufactured at 5-10 degrees C.

[0019]

[Table 1]

品名	配合量	配合量(重量%)	配合量	配合量(重量%)
12-ヒドロキシスルチアリジン	4.5	3.0	10.0	-
トリメチルシリルヒドロキラン	2.0	2.0	-	-
トリメチルシリルヒドロキサン	-	1.5	-	-
ヒドロキサン	-	-	-	8.0
スクワレン	40.0	40.0	40.4	48.4
ジメチルヒドロキサン	15.0	15.0	15.0	15.0
メチルフェニルヒドロキサン	15.0	15.0	15.0	15.0
ワヒツジン	12.5	13.5	13.5	13.5
1'ガラクトロフラボン	0.1	0.1	0.1	0.1

[0020] Evaluation of transparency, reinforcement, the stability in 50 degrees C, and usability was performed about the example 1 shown in Table 1, the example 2, the example 1 of a comparison, and the example 2 of a comparison. transparency — appearance observation — “— O; — it is high — — *; — it is a little low — — x; — it is low — — ***** — it evaluated.

reinforcement — a drop test and a transportation trial — carrying out — — O; — it has sufficient reinforcement — — it expressed as *; reinforcement is “a little inadequate” and “x”; reinforcement being inadequate.” “O; change of state is not seen at all” and the stability in 50 degrees C saving each sample for one week at 50 degrees C, and change in the condition of having called it the syneresis, the degree-of-hardness fall, the deposit, and the appearance of a congealation being observed, and “the change of state of a **; some being seen” — “— x; — a remarkable change of state is seen — — ***** — it expressed. About usability, perform the use trial by the panelist of one groups [ten], and organic-functions evaluation is carried out about elongation, adhesion, and a feeling of stickiness. If attached to the former dyadic eye, it was made to turn the number of points as “3 point” “3 point which is not worried” “2 point worried a little” and “1 point to worry” about “fitness;3 point” “a little bad;2 point” “bad;1 point”, and the latter, and ten persons’ average was computed. The result was collectively shown in Table 2.

[0021] [Table 2]

品名	配合量	配合量	配合量	配合量	配合量
実例1	O	O	O	2.9	2.6
実例2	O	O	O	2.8	2.6
比較1	x	▲	*	2.5	2.4
比較2	x	O	O	1.2	1.6
					1.4

[0022] It is estimated also in any of transparency, reinforcement, and the stability in 50 degrees C that it is good, and high evaluation of an average of 2.6 or more points had been obtained [example / of this invention / the example 1 and example 2] in each evaluation criteria of elongation, adhesion, and a feeling of stickiness also about usability so that more clearly than Table 2. On the other hand, the quantity of 12-hydroxy stearin acid was increased to 10.0% of the weight, and in the example 1 of a comparison which does not contain a trimethylsilyl pullulan, in spite of having not obtained sufficient reinforcement, transparency was falling remarkably. Moreover, in the example 2 of a comparison made to solidify by the cere sin, a transparent appearance was not acquired but evaluation was low by each evaluation criteria also about usability.

[0023] Then, the formula of other examples of this invention is shown.

[0024] [Example 3] Oily makeup base cream (1) 12-hydroxy stearin acid 4.00 (% of the weight)

(2) Trimethylsilylation starch 2.50 (3) vaseline 15.00 (4) acetic-acid lanolin 1.00 (5) squalane 55.13 (6) palmitic-acid isopropyl 18.00 (7) propyl parahydroxybenzoate 0.02 (8) titanium oxide 1.00 (9) red ochre 0.05 (10) yellow oxide of iron 0.20 (11) perfume 0.10 process; (1) - (7) is mixed and it dissolves at 85 degrees C, and (8) - (10) is mixed to this, and it grinds to it, and adds to it, and grinding distribution is carried out by the colloid mill. Subsequently, (11) is added, and after degassing, at 70 degrees C, it slushes into a container and cools.

[0025] [Example 4] Lipstick (1) 12-hydroxy stearin acid 8.00 (% of the weight)

(2) Ethyl dimethylsilyl-ized guar gum A 2.50(3) trimethylsilylation silicic acid anhydride 3.00 (4) lanolin 11.00 (5) castor oil 15.00(2-ethylhexanoic acid cetyl 10.00(7) myristic-acid isopropyl 10.00 (8) vaseline 33.54 (9) tocopherol acetate 0.05 (10) butyl parahydroxybenzoate 0.01 (11) titanium oxide 5.00 (12) red No. 2021 1.00 (14) red No. 223 0.20 (15) perfume 0.10 process; (11) - (13) is added to a part of (5), and it processes with a roller, and considers as the pigment section. Moreover, (14) is dissolved in a part of (5), and it considers as the color section. (1) After mixing the remainder of - (4) and (5), and (6) - (10) and carrying out heating fusion, said pigment section and the color section are added, and it distributes to homogeneity in a homomixer. Subsequently, (15) is added and it mixes, and it slushes into a mold, quenches, and considers as the shape of a stick.

[0026] [Example 5] Oily teak color (1) 12-hydroxy stearin acid 1.0 (% of the weight)

(2) A trimethylsilylation pullulan 1.0(3) trimethylsilylation locust bean gum A 0.5(4)

trimethylsilylation silicic acid anhydride 2.0 (5) vaseline 20.0 (6) liquid paraffins 45.2(7) myristic-

acid isopropyl 15.0 (8) tocopherol acetate 0.1 (9) methyl parahydroxybenzoate 0.1 (10) kaolins

10.0 (11) titanium oxide 4.2 (12) red ochre 0.3 (13) red No. 202 0.5 (14) perfume 0.1 process; (10)

- (13) is added to a part of (6), and it processes with a roller, and considers as the pigment

section. (1) The remainder of - (5) and (6) and (7) - (9) are mixed, the heating dissolution is

carried out, said pigment section is added, and it distributes to homogeneity in a homomixer.

Subsequently, it cools to 50 degrees C, adding and agitating (14), and a container is filled up.

[0027] [Example 6] Oily ikara (1) 12-hydroxy stearin acid 3.00 (% of the weight)

(2) Triethyl silyl-ized starch A 0.80(3) dimethyl silanating isopropyl silanating pullulan A 1.20(4)

trimethylsilylation silicic acid anhydride A 1.5(5) methyl diethyl silanating silicic acid anhydride

1.50 (6) vaseline 25.00 (7) liquid paraffins 50.88 (8) methyl parahydroxybenzoate 0.10 (9) vitamin

E 0.02 (10) titanium oxide 4.00 (11) yellow oxide of iron 2.50 (12) ultramarines 9.50 processes;

Mix - (9), carry out heating fusion, add (1) (10) beforehand mixed to this - (12), and process and

distribute by the roll mill. Next, a remelting solution is carried out and it deearates, and it slushes into a container and cools.

[0028] When the above-mentioned example 3 was applied to the skin, the natural result with a feeling of transparency was obtained. Moreover, in the example 4 - the example 6, skillful coloring with a feeling of transparency was obtained. All had sufficient reinforcement and elongation, adhesion, and the usability of a feeling of stickiness were also good. Furthermore, sufficient stability was shown in the temperature of -5 degrees C - 50 degrees C.

[0029] In addition, about the example 1 of this invention - an example 6, the skin irritation which poses a problem was not accepted as a result of the regions of back lock out patch test of 48 hours by 30 male panelists. Moreover, the feeling of a stimulus or displeasure which pose a problem on the occasion of use were not accepted, either.

[0030] [Effect of the Invention] As explained in full detail above, by this invention, it had the outstanding transparency, and reinforcement was high enough and solid cosmetics also with a still better feeling of use were able to be obtained.

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【特許請求の範囲】

【請求項1】 12-ヒドロキシステアリン酸、トリオルガノシリル基を有する非イオン性の多価酸及びその誘導体より選択した1種又は2種以上、及び油性物質の1種又は2種以上を含有して成る、透明性固形化粧料。

【請求項2】 さらにトリオルガノシリル基を有する無水ケイ酸の1種又は2種以上を含有することを特徴とする、請求項1に記載の透明性固形化粧料。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】 本発明は、透明性に優れ、且つ強度の向上した透明性固形化粧料に関する。さらに詳しくは、12-ヒドロキシステアリン酸、トリオルガノシリル基を有する非イオン性の多価酸及びその誘導体より選択した1種又は2種以上、或いはさらにも12-ヒドロキシアル基を有する無水ケイ酸の1種又は2種以上、油性物質を含有して成る、透明性に優れる固形化粧料に関する。

【0002】

【発明の技術】 近年、特にリップグリース、ロング、アイカラーや等において、透明感のある仕上がりや鮮やかな発色を得るために、透明性に優れる固形化粧料が求められて いる。経時的な安定性が高く、使用性にも優れる固形化粧料として、12-ヒドロキシステアリン酸と油分から成る透明性基剤を用いる技術が開示されている(特開平1-163111)。

【0003】また、皮膚上で伸びや皮膚への付着性といいつつ自粘性を向上させるため、さらには摩擦潤滑性とパラフィンと油状油性成分を含有させたり(特開平2-264707)、水溶基剤が1-20以下の油状油性物質とメチルフェニルボリシリコキサン、或いはオレイン酸エステルを含有せたりする技術(特開平4-910100、特開平4-910111)や、メチルエニルボリシリコサン、N-ラクロイル-レグルタミンジカルチルアミドを併用する技術(特開平2-180805)も提案されている。

【0004】しかしながら、上記したような透明性固形化粧料においては、特にスティック状の型別形成で提供する場合、十分な強度が得られているとはいがたく、強度を向上させるため12-ヒドロキシステアリン酸を増量すると、透明性が低下するという問題があつた。

【0005】 【発明が解決しようとする課題】 そこで本発明においては、優れた透明性を有し且つ強度が十分高く、さらに使用感も良好な固形化粧料を得る。

【解決手段】 12-ヒドロキシステアリン酸と、トリオルガノシリル基を有する非イオン性の多価酸及びその誘導体より選択した1種又は2種以上を併用し、さらに油性物質を含有させる。またさらに、トリオルガノシリル基を有する無水ケイ酸の1種又は2種以上を含有させておる。

【0006】 【問題を解決するための手段】 上記の課題を解決すべく種々検討した結果、本発明者は12-ヒドロキシステアリン酸と、トリオルガノシリル基を有する非イオン性の多価酸及びその誘導体より選択した1種又は2種以上を

併用し、さらに油性物質を含有させることにより、高い透明性を保持しつつ化粧料の強度を大幅に向上升させることができることを見だし、本発明を完成するに至った。

【発明の実施の形態】 本発明において用いる12-ヒドロキシステアリン酸は、リノーノール酸に水酸基をしたもので、1-2位の炭素に不育水酸基を有する透明性固形化粧料であり、市販のものが使用できる。本発明に係る透明性固形化粧料においては、化粧料全量当たり0.5~10重量%、好ましくは1.0~5.0重量%を有させる。

【0008】 次に、本発明において用いるトリオルガノシリル基を有する非イオン性の多価酸及びその誘導体は、は軟膏数1~6の軟膏水溶基であり、同一でも異なつていてもよい)で示されるトリオルガノシリル基を測定して40重量%以上含有する非イオン性の多価酸及びその誘導体である。トリオルガノシリル基の含有量が40重量%未満のものでは、他の油剤との相容性が悪く、また耐水性の低下も認められ、好ましくない。

【0009】 トリオルガノシリル基を導入する非イオン性多価酸としては、デシアン、ブルラン、クアーガム、ロカスト、ビーンガム、セロロース、マンナン、β-1,3-グルカン等を挙げることができ、これらの中ではとしては、メチル、エチル、プロピル等のアルキル基、カロキシメチル、カルボキシエチル等のカルボキシル基、カルボキシカルボキシル等のカルボキシル基を有するアルキル基、プロピオニル、ブチリル等の脂肪族アルキル基によつて固接された部分エーテル化合物や、アセチル、ブロピオニル、ブチリル等の脂肪族アルキル基によつて固接された部分エーテル化合物等が挙げられる。

【0010】 トリオルガノシリル基としては、炭化水素基として炭化水素1~6のアルキル基及びノオズアルケニル基を有するもののが好ましい。かかる炭化水素基としてメチル、エチル、プロピル、イソプロピル、ブチル、ターシヤルブチル、ベンチル、ヘキシル等の直鎖基、シクロヘキシル基、シクロヘキサヘキシル、シクロヘキシル等の環状アルキル基、ビニル、アリル、イソブロペニル、1-ブチニル、1-ベンゼニル、1-ヘキセニル等の直鎖もしくは分岐鎖を有するアルキル基等が挙げられる。(但し、これら炭化水素基の炭素数が多くなるにつれて、炭化水素基が複雑なものとなつて非イオン性多価酸はその誘導体の中に有効に導入するとか困難になるため、上記所示のアルキル基、中でも特にメチル、エチル、プロピル、ターシヤルブチル基を有するものが好ましく使用できる。好ましいトリオルガノシリル基としては、トリメチルシリル基、トリエチルシリル基、トリプロピルシリル基、ターシャルフルタルジメチルシリル基、シクロヘキシルジメチルシリル基等を挙げることができる。

【0011】 トリオルガノシリル基の非イオン性多価酸及びその誘導体への導入は、特公平7-53650に記載の如きはその誘導体より選択した1種又は2種以上を

染料部とする。 (1)～(4), (5)の調製例じ(6)～(10)を混
合して加熱溶解した後、前記調剤部及び吸収部を加え、
ホモミキサーにて均一に分散する。次いで(15)を添加、
【実施例5】 油性チークカラー

(1) 12-ヒドロキシステアリノ酸	1. 0 (重量%)
(2) トリメチルシリ化ブラン	1. 0
(3) トリメチルシリ化ローカストビーンガム	0. 5
(4) トリメチルシリ化無水ケイ酸	2. 0
(5) フセリン	2. 0
(6) 沸騰バラフィン	4. 5
(7) ミリスチン酸イソプロピル	1. 5
(8) 酚酸トコフェロール	0. 1
(9) バラオキシ安息香酸メチル	0. 1
(10) カオリン	1. 0
(11) 鮫化チタン	4. 2
(12) ベンガラ	0. 3
(13) 着色202号	0. 5
(14) 香料	0. 1

製法：(10)～(13)を(6)の一剖に加え、ローラーで処理
して調剤部とする。 (1)～(5), (6)の調製例じ(7)～(9)
を混合して加熱溶解し、前記調剤部を加えてホモキサ
【実施例6】 油性アイカラー

(1) 12-ヒドロキシステアリン酸	3. 00 (重量%)
(2) トリエチルシリ化デンパン	0. 80
(3) シメチルイソプロピルシリ化ブラン	1. 20
(4) トリメチルシリ化無水ケイ酸	1. 50
(5) メチルエチルシリ化無水ケイ酸	1. 50
(6) フセリン	2. 5
(7) 沸騰バラフィン	5. 0
(8) バラオキシ安息香酸メチル	0. 10
(9) ピタミンE	0. 02
(10) 鮫化チタン	4. 00
(11) 鮫化ヒアル	2. 50
(12) グンショウウ	9. 50

製法：(1)～(9)を混和、加熱溶解し、これにあらかじめ
混合した(10)～(12)を加え、ローラーで処理して分散
する。次に再溶解して脱気し、容器に充填して冷却す
る。
【0028】上記の実施例3を皮膚に塗布した場合、透
明感のある自然な仕上がりが得られた。また実施例4～
実施例6においては、透明感のある鮮やかな茶色が得ら
れた。いずれも十分な強度を有し、伸び、付着性、べた
つき感といった使用性も良好であった。さらには、-5℃
～50℃の温度において十分な安定性を示していた。

フロントページの続き

【0026】

【0027】

【0028】

【0029】

【0030】